

## Abstract

~~Method and arrangement for forming and checking a checksum for digital data which are grouped into a number of data segments~~

Methods and arrangements for forming a checksum and for checking a checksum for digital data which are grouped into a number of data segments ~~are specified~~ <sup>implemented</sup>

10 ~~In the method,~~ a checksum ~~is~~ formed for each data segment. The individual checksums are combined to form a first commutative checksum by using a commutative operation. To check the first commutative checksum, a checksum is again formed for each data segment and the  
15 checksum is again combined to form a second commutative checksum under the method of a commutative operation. The first commutative checksum and the second commutative checksum are checked for a match.

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